must be returned to the United States within a reasonable time period.

(3) Uranium, enriched to less than 20 percent in U–235, in the form of UF6 heels in cylinders being returned to suppliers in EURATOM.

(c) Except as provided in paragraph (d) of this section, a general license is issued to any person to export Pu–236 or Pu–238 to any country listed in §110.30 in individual shipments of 1 gram or less, not to exceed 100 grams per year to any one country.

(d) The general licenses in paragraphs (a), (b), and (c) of this section do not authorize the export of special nuclear material in radioactive waste.

(e) Persons using the general licenses in paragraphs (a), (b), and (c) of this section as authority to export special nuclear material as incidental radioactive material shall file a completed NRC Form 7 before the export takes place if the total weight of the shipment exceeds 100 kilograms.

[49 FR 47198, Dec. 3, 1984, as amended at 58 FR 13003, Mar. 9, 1993; 59 FR 48997, Sept. 26, 1994; 60 FR 37563, July 21, 1995; 65 FR 70290, Nov. 22, 2000; 70 FR 46066, August 9, 2005]

§110.22 General license for the export of source material.

(a) Except as provided in paragraph (e) of this section, a general license is issued to any person to export the following to any country not listed in §110.28:

(1) Uranium or thorium, other than U–230, U–232, Th–227, and Th–228, in any substance in concentrations of less than 0.05 percent by weight.

(2) Thorium, other than Th–227 and Th–228, in incandescent gas mantles or in alloys in concentrations of 5 percent or less.

(3) Th–227, Th–228, U–230, and U–232 when contained in a device, or a source for use in a device, in quantities of less than 3.7×10^{-3} TBq (100 millicuries) of alpha activity (3.12 micrograms Th–227, 122 micrograms Th–228, 3.7 micrograms U–230, 4.7 milligrams U–232) per device or source.

(b) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium or thorium, other than U–230, U–232, Th–227, or Th–228, in individual shipments of 10 kilograms or less to any country not listed in §110.28 or §110.29, not to exceed 1,000 kilograms per year to any one country or 500 kilograms per year to any one country when the uranium or thorium is of Canadian origin.

(c) A general license is issued to any person to export uranium, enriched to less than 20 percent in U–235, in the form of UF6 heels in cylinders being returned to suppliers in EURATOM.

(d) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium or thorium, other than U–230, U–232, Th–227, or Th–228, in individual shipments of 1 kilogram or less to any country listed in §110.29, not to exceed 100 kilograms per year to any one country.

(e) Except as provided in paragraph (e) of this section, a general license is issued to any person to export U–230, U–232, Th–227, or Th–228 in individual shipments of 10 kilograms or less to any country listed in §110.30, not to exceed 1,000 kilograms per year to any one country or 500 kilograms per year to any one country when the uranium or thorium is of Canadian origin.

(f) Paragraphs (a), (b), (c), and (d) of this section do not authorize the export under general license of source material in radioactive waste.

(g) Persons using the general licenses in paragraphs (a), (b), (c), and (d) of this section as authority to export source material as incidental radioactive material shall file a completed NRC Form 7 before the export takes place if the total weight of the shipment exceeds 100 kilograms.

[49 FR 47198, Dec. 3, 1984, as amended at 58 FR 13003, Mar. 9, 1993; 59 FR 48997, Sept. 26, 1994; 60 FR 37563, July 21, 1995; 61 FR 35602, July 8, 1996; 65 FR 70290, Nov. 22, 2000; 70 FR 46066, August 9, 2005]

§110.23 General license for the export of byproduct material.

(a) A general license is issued to any person to export byproduct material (see appendix L to this part) except that:

(1) This section does not authorize the export of byproduct material to any embargoed country listed in

§110.28, or byproduct material in radioactive waste, or tritium for recovery or recycle purposes.

(2) Actinium-225 and -227, americium-241 and -242m, californium-248, -249, -250, -251, -252, -253, and -254, curium-240, -241, -242, -243, -244, -245, -246 and -247, einsteinium-252, -253, -254 and -255, fermium-257, gadolinium-148, mendelevium-258, neptunium-235 and -237, polonium-210, and radium-223 must be contained in a device, or a source for use in a device, in quantities of less than 3.7×10^{-3} TBq (100 millicuries) of alpha activity per device or source, unless the export is to a country listed in Sec. 110.30. Individual shipments must be less than the TBq values specified in Category 2 of Table 1 of Appendix P to this Part. Exports of americium and neptunium are subject to the reporting requirements listed in paragraph (b) of this section.

(3) For americium-241, exports must not exceed 0.6 TBq (16 curies) per device or 60 TBq (1,600 curies) to any one country listed in §110.29, and must be contained in industrial process control equipment or petroleum exploration equipment in quantities of less than 0.6 TBq (16 curies) per device and per shipment, not to exceed 60 TBq (1,600 curies) per year to any one country. Individual shipments to all countries other than those listed in §§110.28 and 110.29 must be less than 0.6 TBq (16 curies) per shipment, consistent with Appendix P to this part.

(4) For neptunium-235 and -237, exports must not exceed individual shipments of one gram, not to exceed 10 grams per year to any one country.

(5) For polonium-210, the material must be contained in static eliminators and may not exceed 3.7 TBq (100 curies) per individual shipment.

(6) For tritium in any dispersed form, except for recovery or recycle purposes (e.g., luminescent light sources and paint, accelerator targets, calibration standards, labeled compounds), exports must not exceed the quantity of 0.37 TBq (10 curies (1.03 milligrams)) or less per item, not to exceed 37 TBq (1,000 curies (103 milligrams)) per shipment or 370 TBq (10,000 curies (1.03 grams)) per year to any one country. Exports of tritium to the countries listed in §110.30 must not exceed the quantity of 1.48 TBq (40 curies (4.12 milligrams)) or less per item, not to exceed 37 TBq (1,000 curies (103 milligrams)) per shipment or 370 TBq (10,000 curies (1.03 grams)) per year to any, one country, and exports of tritium in luminescent safety devices installed in aircraft must not exceed a quantity of 1.48 TBq (40 curies (4.12 milligrams)) or less per light source.

(b) Persons making exports under the general license established by paragraph (a) of this section shall submit by February 1 of each year one copy of a report of all americium and neptunium shipments during the previous calendar year. The report must include:

(1) A description of the material, including quantity;

(2) Approximate shipment dates; and

(3) A list of recipient countries, end users, and intended use keyed to the items shipped.

(c) Persons using a general license issued under paragraph (a) of this section as authority to export byproduct material as incidental radioactive material shall file a completed NRC Form 7 before the export takes place if the total weight of the shipment exceeds 100 kilograms.

[65 FR 70290, Nov. 22, 2000, as amended at 70 FR 37991, July 1, 2005; 70 FR 46066, August 9, 2005]

§110.24 General license for the export of deuterium.

(a) A general license is issued to any person to export deuterium in individual shipments of 10 kilograms or less (50 kilograms of heavy water) to any country not listed in §110.28 or §110.29. No person may export more than 200 kilograms (1000 kilograms of heavy water) per year to any one country.

(b) A general license is issued to any person to export deuterium in individual shipments of 1 kilogram or less (5 kilograms of heavy water) to any country listed in §110.29. No person may export more than 5 kilograms (25 kilograms of heavy water) per year to any one country.

[49 FR 47198, Dec. 3, 1984, as amended at 58 FR 13003, Mar. 9, 1993]